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S Kobayashi, SI Oh, T Altan - 1989 - books.google.com

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... increase in infiltration temperature, especially at high temperature. ... in a microwaves-heated preform, J. Am ... Element Method of Elastic and Plastic Mechanics ( ...

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HS Kim, MH Seo, SI Hong - Journal of Materials Processing Tech., 2001 - Elsevier

... conditions such as die design, speed, temperature, friction and preform design.

In this study, the rigid-plastic two-dimensional finite element method using ...

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... There are relatively few finite element models for the prediction of ... (iii) if the temperature field must ... parameter, Q is the dissipated heat by plastic (7), or ...

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... temperature of the fiber preform and other ... the transpositional rule of the temperature fields for ... metal by adopting the rigid-plastic finite element method (FEM ...

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... industrial forging Operation. The preform shape and ... The three-dimensional elastic-plastic finite-element method has ... the strain rate and temperature, and the ...

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... Von-Mises yield criterion for forging metal powder preform. ... yield surface on the degree of plastic straining. ... by external actions such as temperature changes ...

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### On the development of a general purpose finite element program for analysis of forming processes. - all 3 versions »

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... sliding velocities at the interface, temperature and flow ... 6 shows the dies open and the preform. ... workhardening, rate-sensitive, elastic-plastic material was ...

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PS Satsangi, PC Sharma, R Prakash - Journal of Materials Processing Tech., 2003 - Elsevier

... results in a decrease in preform volume ... incremental and piecewise linear elastic-plastic method of ... of deformation assuming inertia and temperature effects ...

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